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File 347:JAPIO Nov 1976-2004/Apr (Updated 040802)

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File 350:Derwent WPIX 1963-2004/UD,UM &UP=200452

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Set	Items	Description
S1	5	((1 OR ONE OR 1ST OR FIRST) ()HOT) (2W) (VECTOR? ? OR TAG? ? - OR FLAG? ? OR INDICATOR? ?)
S2	12182	(1 OR ONE OR 1ST OR FIRST) (2N)VECTOR? ?
S3	17213	(N(1W)1 OR N()MINUS()(1 OR ONE)) (3W) (ZERO?? OR O OR 0 OR OS OR OS)
S4	3	((2 OR TWO OR 2ND OR SECOND???) ()HOT) (2W) (VECTOR? ? OR TAG? ? OR FLAG? ? OR INDICATOR? ?)
S5	14259	(2 OR TWO OR 2ND OR SECOND???) (2N)VECTOR? ?
S6	15269	(N(1W)2 OR N()MINUS()(2 OR TWO)) (3W) (ZERO?? OR O OR 0 OR OS OR OS)
S7	570	(NBIT OR N()BIT) (2W) (STRING? ? OR BLOCK? ? OR FRAGMENT? ? - OR WORD? ? OR STATEMENT? ?)
S8	53506	TAG? ? OR TLB OR TRANSLATION() (LOOKASIDE OR LOOK()ASIDE) ()- BUFFER? ? OR CACH???
S9	398	S1:S3(10N)S4:S6(10N) (CONVERT??? OR CONVERSION? ? OR TRANSFORM??? OR TRANSLAT???? OR BRIDG??? OR CHANG??? OR ALTER??? OR ALTERATION? ? OR MODIF?)
S10	16	S7:S8 AND S9
S11	3	S1 AND S4:S6
S12	3	S4 AND S1:S3
S13	335	S2(7N)S5(7N) (CONVERT??? OR CONVERSION? ? OR TRANSFORM??? OR TRANSLAT???? OR BRIDG??? OR CHANG??? OR ALTER??? OR ALTERATION? ? OR MODIF?)
S14	7	S3(7N)S6(7N) (CONVERT??? OR CONVERSION? ? OR TRANSFORM??? OR TRANSLAT???? OR BRIDG??? OR CHANG??? OR ALTER??? OR ALTERATION? ? OR MODIF?)
S15	25	S10:S12 OR S14

15/5/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO
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06261619 **Image available**
CACHE MEMORY

PUB. NO.: 11-203199 [JP 11203199 A]
PUBLISHED: July 30, 1999 (19990730)
INVENTOR(s): NAFFZIGER SAMUEL D
APPLICANT(s): HEWLETT PACKARD CO <HP>
APPL. NO.: 10-300695 [JP 98300695]
FILED: October 22, 1998 (19981022)
PRIORITY: 955821 [US 955821], US (United States of America), October
22, 1997 (19971022)
INTL CLASS: G06F-012/08; G06F-012/10

ABSTRACT

PROBLEM TO BE SOLVED: To shorten a access time in a **cache** memory by comparing first and second vectors in a digital comparator and selecting data from a second memory structure by utilizing a compared result.

SOLUTION: The first vector indicating a position inside a **translation** lookaside buffer 210 including the position matching with a virtual tag is generated by a **translation** lookaside buffer 210. At least one **second vector** indicating whether or not a **tag** matched with a physical **tag** is housed at least one position inside the **translation** lookaside buffer 210 is retrieved from at least one position decided by a virtual index by a first memory structure 204. Then, by the digital comparator 216, the **first vector** and the **second vector** are compared. By utilizing the compared result, the data are selected from the second memory structure 106. Thus, the access time in this **cache** memory is shortened.

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15/5/2 (Item 2 from file: 347)
DIALOG(R)File 347:JAPIO
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02811218 **Image available**
ERROR CORRECTION CODING METHOD

PUB. NO.: 01-108818 [JP 1108818 A]
PUBLISHED: April 26, 1989 (19890426)
INVENTOR(s): KUME ATSUYA
APPLICANT(s): MITSUBISHI ELECTRIC CORP [000601] (A Japanese Company or
Corporation), JP (Japan)
APPL. NO.: 62-267151 [JP 87267151]
FILED: October 21, 1987 (19871021)
INTL CLASS: [4] H03M-013/00
JAPIO CLASS: 42.4 (ELECTRONICS -- Basic Circuits)
JOURNAL: Section: E, Section No. 800, Vol. 13, No. 350, Pg. 5, August
07, 1989 (19890807)

ABSTRACT

PURPOSE: To improve the transmission quality by changing the error correction capability in response to the importance of data so as to improve the error correction capability.

CONSTITUTION: Data D to be sent (supposing data being an analog quantity quantized by an n-bit binary number) is inputted in series with an input terminal 1, led to a data distributer 2, where the data is **converted** in parallel and data $2^{(n-1)} - 2^0$ of each digit are given to corresponding coders $3(n-1)-30$. An error correction code having a higher error correction capability than that of the coder $3(n-2)$ is provided to the coder $3(n-1)$ with respect to the inputted data and the data of the least significant data is coded by the error correction code having a

smaller error correction capability than that of the coder 30 sequentially as above. The coded n-set of data is converted into a serial data by a data synthesizer 4. Thus, the transmission quality is enhanced.

15/5/3 (Item 3 from file: 347)

DIALOG(R)File 347:JAPIO

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01907474 **Image available**

VIDEO SIGNAL PROCESSING CIRCUIT

PUB. NO.: 61-121574 [JP 61121574 A]

PUBLISHED: June 09, 1986 (19860609)

INVENTOR(s): NODA MASARU

KATO MINORU

APPLICANT(s): HITACHI LTD [000510] (A Japanese Company or Corporation), JP (Japan)

APPL. NO.: 59-242310 [JP 84242310]

FILED: November 19, 1984 (19841119)

INTL CLASS: [4] H04N-005/205

JAPIO CLASS: 44.6 (COMMUNICATION -- Television)

JOURNAL: Section: E, Section No. 447, Vol. 10, No. 309, Pg. 50, October 21, 1986 (19861021)

ABSTRACT

PURPOSE: To set optionally a comb-shaped characteristic by a feedback ratio K and to improve an S/N while the response is zero by setting an adding ratio A to a special relation shown by a primary function concerning the feedback ratio K.

CONSTITUTION: An output signal of a vertical outline extracting comb-shaped filter 10 is injected through an adding coefficient circuit 7 to an adder circuit 8, and here, added with an input video signal and the desired output video signal is obtained at an output terminal 2, and when the adding coefficient circuit 7 is a straight line characteristic, a communicating characteristic G2 from an input terminal 7 to an output terminal 2 is shown by a formula. Here, an adding coefficient A is set to a special relation for a feedback ratio K, the item 1 of the product of the formula means an adding average of a 1H delaying signal and a non-delaying signal and shows a comb-shaped characteristic in which the response at $f=(n+1/2)f_H$ goes to zero. The response at $f=(n+1/2)f_H$ is zero regardless of the K value. The comb-shaped characteristic can be changed by the value of the feedback ratio K, for example, as the setting of K=0.75, the response can be reduced over the wide band with $f=(n+1/2)f_H$ as a center, and large S/N improving effects can be obtained.

15/5/5 (Item 2 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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016216435 **Image available**

WPI Acc No: 2004-374323/200435

Related WPI Acc No: 2002-665572; 2003-864414

XRPX Acc No: N04-297793

Tag array memory for cache memory, converts received 1-hot vector to 2-hot vector, stores 2-hot vector in memory array and converts 2-hot vector back to 1-hot vector

Patent Assignee: INTEL CORP (ITLC)

Inventor: CRAWFORD J H; GROCHOWSKI E; KOSARAJU C; MATHEWS G S; QUACH N T

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20040078529	A1	20040422	US 2000750094	A	20001229	200435 B
			US 2003435386	A	20030512	
			US 2003726492	A	20031204	

Priority Applications (No Type Date): US 2000750094 A 20001229; US 2003435386 A 20030512; US 2003726492 A 20031204

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20040078529	A1	14	G06F-012/08	Div ex application US 2000750094
				Div ex application US 2003435386
				Div ex patent US 6675266

Abstract (Basic): US 20040078529 A1

NOVELTY - The memory includes an input **conversion** circuit which receives 1-hot vector (112) and converts the 1-hot vector to 2-hot vector. A memory array coupled to the input conversion circuit, stores the 2-hot vector, while an output conversion circuit coupled to the memory array, receives the 2- hot vector and converts the 2 - hot vector back to the 1 - hot vector .

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) computer system;
- (2) 1 - hot vectors cache protection method; and
- (3) recorded medium storing 1 - hot vectors protection program.

USE - Tag array memory for use in high performance microprocessor and multi-processor-based personal computer system.

ADVANTAGE - Protects the 1 - hot vectors used in the tag array, while providing hardware savings. Also, it operates at high speeds and is easy to implement.

DESCRIPTION OF DRAWING(S) - The figure shows a logic block diagram of the 2 - hot tag cache based on the 1 - hot tag cache .

tag (102)
translation look - aside buffer (TLB) (1109)
TLB virtual address array (110)
1 - hot vector (112)
1 - hot tag array (120)
2 - hot tag cache (419)
1 - hot vector block (422)

pp; 14 DwgNo 4/7

Title Terms: TAG ; ARRAY; MEMORY; CACHE ; MEMORY; CONVERT; RECEIVE; HOT; VECTOR; HOT; VECTOR; STORAGE; HOT; VECTOR; MEMORY; ARRAY; CONVERT; HOT; VECTOR; BACK; HOT; VECTOR

Derwent Class: T01

International Patent Class (Main): G06F-012/08

File Segment: EPI

15/5/8 (Item 5 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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015802211 **Image available**

WPI Acc No: 2003-864414/200380

Related WPI Acc No: 2002-665572; 2004-374323

XRPX Acc No: N03-690026

Tag array memory for multiprocessor, accesses memory bits simultaneously when 1 - hot vector stored in memory bit is valid

Patent Assignee: INTEL CORP (ITLC)

Inventor: CRAWFORD J; GROCHOWSKI E; KOSARAJU C; MATHEWS G S; QUACH N

Number of Countries: 001 Number of Patents: 001

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20030196049	A1	20031016	US 2000750094	A	20001229	200380 B
			US 2003435386	A	20030512	

Priority Applications (No Type Date): US 2000750094 A 20001229; US 2003435386 A 20030512

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
US 20030196049	A1	15	G06F-012/00	Div ex application US 2000750094

Abstract (Basic): US 20030196049 A1

NOVELTY - The valid bit circuit coupled to the n-bit memory cell accesses the memory bits simultaneously when the **1 - hot vector** stored in the memory bit is valid.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- (1) **1 - hot vector** protection method;
- (2) recording medium storing the **1 - hot vector** protection program; and
- (3) computer system.

USE - For multiprocessor or computer system (claimed).

ADVANTAGE - The operating speed is increased by simple construction and vectors used in tag array saves space in designed hardware.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the **2 - hot tag cache**.

index (104)
comparators (130-133)
multiplexers (140,150)
tag array (420)
hot vector block (422)

pp; 15 DwgNo 4/7

Title Terms: TAG; ARRAY; MEMORY; MULTIPROCESSOR; ACCESS; MEMORY; BIT;
SIMULTANEOUS; HOT; VECTOR; STORAGE; MEMORY; BIT; VALID

Derwent Class: T01

International Patent Class (Main): G06F-012/00

File Segment: EPI

15/5/13 (Item 10 from file: 350)

DIALOG(R) File 350:Derwent WPIX

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014844866 **Image available**

WPI Acc No: 2002-665572/200271

Related WPI Acc No: 2003-864414; 2004-374323

XRPX Acc No: N02-526548

Tag array memory circuit for cache memory, comprises valid bit circuit which is set to valid, when valid hot vector is stored in memory bit circuits

Patent Assignee: CRAWFORD J (CRAW-I); GROCHOWSKI E (GROC-I); KOSARAJU C (KOSA-I); MATHEWS G S (MATH-I); QUACH N (QUAC-I); INTEL CORP (ITLC)

Inventor: CRAWFORD J; GROCHOWSKI E; KOSARAJU C; MATHEWS G S; QUACH N

Number of Countries: 001 Number of Patents: 002

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
US 20020087808	A1	20020704	US 2000750094	A	20001229	200271 B
US 6675266	B2	20040106	US 2000750094	A	20001229	200411

Priority Applications (No Type Date): US 2000750094 A 20001229

Patent Details:

Patent No	Kind	Lan Pg	Main IPC	Filing Notes
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US 20020087808	A1	15	G06F-012/00	
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US 6675266	B2		G06F-012/00	
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Abstract (Basic): US 20020087808 A1

NOVELTY - Several memory bit circuits are connected together to form a n-bit memory cell, to which a valid bit circuit is connected. The valid bit circuit is set to valid or invalid, based on the valid or invalid hot vector (112) stored in the memory bit circuits. The valid bit and memory bit circuits are accessed simultaneously.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- (1) **Vectors** protection method;
- (2) Machine readable medium storing vectors protection program;
- (3) Tag array memory; and
- (4) Computer system.

USE - For high speed on chip memory buffer such as cache used in high performance 32,64 model processor.

ADVANTAGE - Minimizes global routing at the expense of local

interconnections. Provides highly reliable high performance microprocessor with simplified design.

DESCRIPTION OF DRAWING(S) - The figure shows the logic block diagram of a **2 - hot tag** cache based on the **1 - hot tag** cache.

Hot vector (112)

pp; 15 DwgNo 4/7

File 348:EUROPEAN PATENTS 1978-2004/Aug W02

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File 349:PCT FULLTEXT 1979-2002/UB=20040812,UT=20040805

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Set	Items	Description
S1	14	((1 OR ONE OR 1ST OR FIRST) ()HOT) (2W) (VECTOR? ? OR TAG? ? - OR FLAG? ? OR INDICATOR? ?)
S2	39242	(1 OR ONE OR 1ST OR FIRST) (2N)VECTOR? ?
S3	42126	(N(1W)1 OR N()MINUS()(1 OR ONE)) (3W) (ZERO?? OR O OR 0 OR OS OR OS)
S4	1	((2 OR TWO OR 2ND OR SECOND???) ()HOT) (2W) (VECTOR? ? OR TAG? ? OR FLAG? ? OR INDICATOR? ?)
S5	26322	(2 OR TWO OR 2ND OR SECOND???) (2N)VECTOR? ?
S6	32891	(N(1W)2 OR N()MINUS()(2 OR TWO)) (3W) (ZERO?? OR O OR 0 OR OS OR OS)
S7	994	(NBIT OR N()BIT) (2W) (STRING? ? OR BLOCK? ? OR FRAGMENT? ? - OR WORD? ? OR STATEMENT? ?)
S8	112819	TAG? ? OR TLB OR TRANSLATION() (LOOKASIDE OR LOOK()ASIDE) ()- BUFFER? ? OR CACH???
S9	1585	S1:S3(10N)S4:S6(10N) (CONVERT??? OR CONVERSION? ? OR TRANSFORM??? OR TRANSLAT???? OR BRIDG??? OR CHANG??? OR ALTER??? OR ALTERATION? ? OR MODIF?)
S10	358	S1:S3(10N)S4:S6(10N) (MODIF???? OR MODIFICATION)
S11	78	S9:S10(50N)S7:S8
S12	1	S1(20N)S4:S6
S13	1033	S2(7N)S5(7N) (CONVERT??? OR CONVERSION? ? OR TRANSFORM??? OR TRANSLAT???? OR BRIDG??? OR CHANG??? OR ALTER??? OR ALTERATION? ? OR MODIF???? OR MODIFICATION)
S14	212	S3(7N)S6(7N) (CONVERT??? OR CONVERSION? ? OR TRANSFORM??? OR TRANSLAT???? OR BRIDG??? OR CHANG??? OR ALTER??? OR ALTERATION? ? OR MODIF???? OR MODIFICATION)
S15	79	S11:S12

01017398

Cache memory with reduced access time
Cachespeicher mit verminderter Zugriffszeit
Antememoire a temps d'accès réduit

PATENT ASSIGNEE:

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AT;BE;CH;CY;DE;DK;ES;FI;FR;GB;GR;IE;IT;LI;LU;MC;NL;PT;SE)

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LEGAL REPRESENTATIVE:

Schoppe, Fritz, Dipl.-Ing. (55463), Schoppe & Zimmermann Patentanwalte
Postfach 71 08 67, 81458 München, (DE)

PATENT (CC, No, Kind, Date): EP 911737 A1 990428 (Basic)

APPLICATION (CC, No, Date): EP 98108916 980515;

PRIORITY (CC, No, Date): US 955821 971022

DESIGNATED STATES: DE; FR; GB

INTERNATIONAL PATENT CLASS: G06F-012/10;

ABSTRACT WORD COUNT: 224

LANGUAGE (Publication, Procedural, Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	9917	410
SPEC A	(English)	9917	2879
Total word count - document A			3289
Total word count - document B			0
Total word count - documents A + B			3289

...CLAIMS physical tag (203) separate from the virtual address;
generating a first vector (214), by a **translation** lookaside buffer
(210), indicating a location in the translation lookaside buffer that
contains a match...

...structure (204), from at least one location determined by the virtual
index, at least one **second vector**, the **second vector**
indicating whether at least one location in the **translation**
lookaside buffer contains a **tag** that matches the **physical tag** ;

comparing, by a digital comparator (216), the **first vector** and the
second vector ; and
using the result of comparing to select data from a second memory
structure (106...
...virtual address (200) comprising index bits (102) and tag bits (202),
the cache comprising:
a **translation**-lookaside buffer (210), the translation lookaside buffer
receiving the tag bits and generating a first...

...tag bits;
a memory structure (204), receiving the index bits, the memory structure
containing second **vectors** , each **second vector** indicating at
least one location of a physical address tag in the **translation**
lookaside buffer, at least one **second vector** designated by the
index bits;
at least one **vector** comparator (216) comparing the **second vector**
from the memory structure to the **first vector** from the
translation lookaside buffer.
4. The cache of claim 3, the virtual address further comprising page
offset bits (222), the **cache** further comprising:
a second memory structure (220), receiving the index bits, the second
memory structure...

00846256

Determination of array padding using collision vectors
Ermittlung von Polstern zwischen Feldern mittels Kollisionsvektoren
Determination de coussinage entre champs utilisant des vecteurs de
collision

PATENT ASSIGNEE:

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California 94043-1100, (US), (Proprietor designated states: all)

INVENTOR:

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Oblock, Gary, 1960 Jones Street, San Francisco, California 94133, (US)

LEGAL REPRESENTATIVE:

Browne, Robin Forsythe, Dr. (55142), Urquhart-Dykes & Lord Tower House
Merrion Way, Leeds LS2 8PA, (GB)

PATENT (CC, No, Kind, Date): EP 782078 A2 970702 (Basic)
EP 782078 A3 980708
EP 782078 B1 020313

APPLICATION (CC, No, Date): EP 96308973 961211;

PRIORITY (CC, No, Date): US 579435 951227

DESIGNATED STATES: DE; FR; GB; IT; NL

INTERNATIONAL PATENT CLASS: G06F-012/08

ABSTRACT WORD COUNT: 152

NOTE:

Figure number on first page: NONE

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB97	1528
CLAIMS B	(English)	200211	1361
CLAIMS B	(German)	200211	1229
CLAIMS B	(French)	200211	1596
SPEC A	(English)	EPAB97	6174
SPEC B	(English)	200211	6111
Total word count - document A		7704	
Total word count - document B		10297	
Total word count - documents A + B		18001	

...SPECIFICATION An expanded interval for the first dimension of (-11, +11) is used which reflects the **cache** line size of 8 plus additional offsets introduced by software pipelining (which effectively increases the range of the offsets in the first dimension).

Applying these ranges to the collision **vector** (1 , - 2 , 0) yields digit ranges of the form ((-10, 12), (-4, 0)) in base 257 arithmetic. These ranges are then **translated** to decimal form. In this case that leaves 1(+-)11, -256(+-)11, -513(+-)11, -770...

...245), (-524, -502), (-781, -759), (-1038, -1016)). Negative range offsets are then adjusted modulo the **cache** size, giving the set of interval ranges to be avoided: ((65525, 65535), (0, 12), (65269...

...SPECIFICATION An expanded interval for the first dimension of (-11, +11) is used which reflects the **cache** line size of 8 plus additional offsets introduced by software pipelining (which effectively increases the range of the offsets in the first dimension).

Applying these ranges to the collision **vector** (1 , - 2 , 0) yields digit ranges of the form ((-10, 12), (-4, 0)) in base 257 arithmetic. These ranges are then **translated** to decimal form. In this case that leaves 1(+-)11, -256(+-)11, -513(+-)11, -770...

...245), (-524, -502), (-781, -759), (-1038, -1016)). Negative range offsets are then adjusted modulo the **cache** size, giving the set of interval ranges to be avoided: ((65525, 65535), (0, 12), (65269...

15/3,K/9 (Item 9 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS
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00782252

Method and apparatus for instruction issue
Verfahren und Vorrichtung zur Befehlsausgabe
Procede et dispositif pour la delivrance d'instructions
PATENT ASSIGNEE:

FUJITSU LIMITED, (211467), 1-1, Kamikodanaka 4-chome, Nakahara-ku,
Kawasaki-shi, Kanagawa 211-8858, (JP), (Proprietor designated states:
all)

INVENTOR:

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LEGAL REPRESENTATIVE:

Liesegang, Roland, Dr.-Ing. (7741), FORRESTER & BOEHMERT
Pettenkoferstrasse 20-22, 80336 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 730224 A2 960904 (Basic)
EP 730224 A3 970528
EP 730224 B1 021009

APPLICATION (CC, No, Date): EP 96103208 960301;

PRIORITY (CC, No, Date): US 397891 950303

DESIGNATED STATES: AT; BE; CH; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI; LU;
MC; NL; PT; SE

INTERNATIONAL PATENT CLASS: G06F-009/38

ABSTRACT WORD COUNT: 123

NOTE:

Figure number on first page: 5

LANGUAGE (Publication,Procedural,Application): English; English; English

FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	EPAB96	717
CLAIMS B	(English)	200241	953
CLAIMS B	(German)	200241	922
CLAIMS B	(French)	200241	978
SPEC A	(English)	EPAB96	6828
SPEC B	(English)	200241	6719

Total word count - document A 7546

Total word count - document B 9572

Total word count - documents A + B 17118

...SPECIFICATION second-oldest-instruction selector 134. The second-oldest-instruction selector 134 provides a 1-hot **second**-oldest-instruction **vector** 136- 2 (EX2(0,...,7)) to the instruction queue 116. The instruction vectors 136 are **1 - hot vectors**, i.e. at most one bit may be set. In response to the instruction vectors...two entries from the current cycle eligible entries vector 526 (RNEW(0,...,7)) and provides **1 - hot** oldest-instruction **vector** 537 (EX1(underscore)NEW(0,...,7)) and a 1-hot **second**-oldest-instruction **vector** 539 (EX2(underscore)NEW (0,...,7)). The instruction selector 540 selects the instructions from the...

...SPECIFICATION second-oldest-instruction selector 134. The second-oldest-instruction selector 134 provides a 1-hot **second**-oldest-instruction **vector** 136- 2 (EX2(0,...,7)) to the instruction queue 116. The instruction vectors 136 are **1 - hot vectors**, i.e. at most one bit may be set. In response to the instruction vectors...two entries from the current cycle eligible entries vector 526 (RNEW(0,...,7)) and provides **1 - hot** oldest-instruction **vector** 537 (EX1(underscore)NEW(0,...,7)) and a 1-hot **second**-oldest-instruction **vector** 539 (EX2(underscore)NEW (0,...,7)). The instruction selector 540 selects the instructions from the...

15/3,K/10 (Item 1 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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01134900 **Image available**

PAGE DESCRIPTORS FOR PREFETCHING AND MEMORY MANAGEMENT
DESCRIPTEURS DE PAGE POUR GESTION DE LECTURE ANTECIPÉE ET DE MÉMOIRE

Patent Applicant/Assignee:

INTERNATIONAL BUSINESS MACHINES CORPORATION, New Orchard Road, Armonk, NY
10504, US, US (Residence), US (Nationality)
IBM UNITED KINGDOM LIMITED, PO Box 41, North Harbour, Portsmouth,
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only for: MG)

Inventor(s):

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Legal Representative:

LITHERLAND David Peter (agent), IBM United Kingdom Limited, Intellectual
Property Law, Hursley Park, Winchester, Hampshire SO21 2JN, GB,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200457479 A2 20040708 (WO 0457479)

Application: WO 2003GB5401 20031211 (PCT/WO GB03005401)

Priority Application: US 2002326634 20021220

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU
SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 5160

Fulltext Availability:

Detailed Description

Detailed Description

... associated selected tag prefetched from the main memory, and updating
the information associated with this tag and page into the main memory.

Also, the method step of accessing the tag in...

...to a page, on the

tag, wherein the tag includes at least a first and second history
vectors ,

and denoting an ith bit of the at least first and second vectors to
determine whether a line corresponding to the tag in the prefetch buffer
was accessed...

...cache lines.

Preferably the present invention provides a computer system further
comprising updates and/or modifications of the tags by the system
software.

Preferably the present invention provides a computer system...

...to a page, on the tag, wherein the tag includes
at least a first and second history vectors ; and denoting an ith bit
of
the at least first and second vectors to determine whether a line
corresponding to the tag in the prefetch buffer was accessed...

...information on the first vector further comprises the step of: entering a one for each **cache** line referenced during the latest visit of the tag.

Preferably the present invention provides for...

15/3,K/36 (Item 27 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
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00939749 **Image available**

WIRELESS COMMUNICATIONS METHODS AND SYSTEMS FOR LONG-CODE AND OTHER SPREAD SPECTRUM WAVEFORM PROCESSING
SYSTEMES ET PROCEDES DE COMMUNICATIONS SANS FIL POUR LE TRAITEMENT DE FORMES D'ONDE A ETALEMENT DU SPECTRE ET DE FORMES D'ONDE LONG CODE

Patent Applicant/Assignee:

MERCURY COMPUTER SYSTEMS INC, 199 Riverneck Road, Chelmsford, MA 01824,
US, US (Residence), US (Nationality)

Inventor(s):

OATES John H, 59B Seavers Bridge Road, Amherst, NH 03031, US,

Legal Representative:

POWSNER David J (et al) (agent), Nutter, McCennen & Fish LLP, One International Place, Boston, MA 02110-2699, US,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200273937 A2-A3 20020919 (WO 0273937)

Application: WO 2002US8106 20020314 (PCT/WO US0208106)

Priority Application: US 2001275846 20010314; US 2001289600 20010507; US 2001295060 20010601

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS
LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL TJ
TM TR TT TZ UA UG UZ VN YU ZA ZW

(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 149462

Fulltext Availability:

Detailed Description

Detailed Description

... matched-filter outputs can be re-written.

```
31
Y (kqn+1) [M] + A (0)
YA( n +1)
I jr rlq Clni
2N, n = O [nN, +MTJ In]
1 N , - 1
YA( n )
r, [nN, 4-i"') +mT]. In]
Iq I CIm
2NI n=0
Ni-I A...
```

15/3,K/46 (Item 37 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT
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00876811 **Image available**

SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR DEVICE, OPERATING SYSTEM,
AND NETWORK TRANSPORT NEUTRAL SECURE INTERACTIVE MULTI-MEDIA MESSAGING
SYSTEME, PROCEDE ET PRODUIT PROGRAMME D'ORDINATEUR POUR APPAREIL, SYSTEME
D'EXPLOITATION ET MESSAGERIE MULTIMEDIA INTERACTIVE RESEAU, NEUTRE ET
SECURISEE

Patent Applicant/Assignee:

STORYMAIL INC, 15729 Los Gatos Boulevard, Los Gatos, CA 95032, US, US
(Residence), US (Nationality)

Inventor(s):

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BALDWIN Robert W, 990 Amarillo Avenue, Palo Alto, CA 94303, US,
SAXBY David B, 14946 Granite Court, Saratoga, CA 95070, US,

Legal Representative:

ANANIAN R Michael (et al) (agent), Flehr Hohbach Test Albritton & Herbert
LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA 94111-4187, US

Patent and Priority Information (Country, Number, Date):

Patent: WO 200210962 A1 20020207 (WO 0210962)
Application: WO 2001US23713 20010727 (PCT/WO US0123713)
Priority Application: US 2000627357 20000728; US 2000627358 20000728; US
2000627645 20000728; US 2000628205 20000728; US 2000706606 20001104; US
2000706609 20001104; US 2000706610 20001104; US 2000706611 20001104; US
2000706612 20001104; US 2000706613 20001104; US 2000706614 20001104; US
2000706615 20001104; US 2000706616 20001104; US 2000706617 20001104; US
2000706621 20001104; US 2000706661 20001104; US 2000706664 20001104; US
2001271455 20010225; US 2001912715 20010725; US 2001912936 20010725; US
2001912905 20010725; US 2001912773 20010725; US 2001912885 20010725; US
2001912860 20010725; US 2001912941 20010725; US 2001912901 20010725; US
2001912772 20010725

Designated States:

(Protection type is "patent" unless otherwise stated - for applications
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ PL PT RO RU SD SE SG SI SK SL
TJ TM TR TT TZ UA UG UZ VN YU ZA ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZW
(EA) AM AZ BY KG KZ MD RU TJ TM

Publication Language: English

Filing Language: English

Fulltext Word Count: 169299

Fulltext Availability:

Detailed Description

Detailed Description

... Client's digital certificate, or other information sent by the Client
before sending the Message Tag .

The SHA1 digest function shown above can be replaced with any
cryptographically secure compression or...

...MAC, 3DES-CBC-MAC, IDEA-CBC-MAC, AES-CBC-MAC, DES-MDC, and DES-MDC2.

1 2 Creating of Message Tags

110 The-following algorithm creeftes 'Message' Tags from Message [Ds. It
is shown operating on 12-byte (96-bit) values, though it...

File 8:EI Compendex(R) 1970-2004/Aug W2
 (c) 2004 Elsevier Eng. Info. Inc.
 File 35:Dissertation Abs Online 1861-2004/Jul
 (c) 2004 ProQuest Info&Learning
 File 65:Inside Conferences 1993-2004/Aug W3
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 File 94:JICST-EPlus 1985-2004/Jul W4
 (c) 2004 Japan Science and Tech Corp(JST)
 File 6:NTIS 1964-2004/Aug W3
 (c) 2004 NTIS, Intl Cpyrgh All Rights Res
 File 144:Pascal 1973-2004/Aug W2
 (c) 2004 INIST/CNRS
 File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
 (c) 1998 Inst for Sci Info
 File 34:SciSearch(R) Cited Ref Sci 1990-2004/Aug W2
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 (c) 2004 The HW Wilson Co.
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 File 95:TEME-Technology & Management 1989-2004/Jun W1
 (c) 2004 FIZ TECHNIK
 File 62:SPIN(R) 1975-2004/Jun W3
 (c) 2004 American Institute of Physics
 File 239:Mathsci 1940-2004/Oct
 (c) 2004 American Mathematical Society

Set	Items	Description
S1	0	((1 OR ONE OR 1ST OR FIRST) ()HOT) (2W) (VECTOR? ? OR TAG? ? - OR FLAG? ? OR INDICATOR? ?)
S2	26163	(1 OR ONE OR 1ST OR FIRST) (2N)VECTOR? ?
S3	42780	(N(1W)1 OR N()MINUS() (1 OR ONE)) (3W) (ZERO?? OR O OR 0 OR OS OR OS)
S4	0	((2 OR TWO OR 2ND OR SECOND???) ()HOT) (2W) (VECTOR? ? OR TAG? ? OR FLAG? ? OR INDICATOR? ?)
S5	30148	(2 OR TWO OR 2ND OR SECOND???) (2N)VECTOR? ?
S6	56756	(N(1W)2 OR N()MINUS() (2 OR TWO)) (3W) (ZERO?? OR O OR 0 OR OS OR OS)
S7	276	(NBIT OR N()BIT) (2W) (STRING? ? OR BLOCK? ? OR FRAGMENT? ? - OR WORD? ? OR STATEMENT? ?)
S8	131617	TAG? ? OR TLB OR TRANSLATION() (LOOKASIDE OR LOOK()ASIDE) ()- BUFFER? ? OR CACH???
S9	255	S2:S3(10N)S5:S6(10N) (CONVERT??? OR CONVERSION? ? OR TRANSFORM??? OR TRANSLAT???? OR BRIDG??? OR CHANG??? OR ALTER??? OR ALTERATION? ? OR MODIF???? OR MODIFICATION)
S10	1	S7:S8 AND S9
S11	61	S3(10N)S6(10N) (CONVERT??? OR CONVERSION? ? OR TRANSFORM??? OR TRANSLAT???? OR BRIDG??? OR CHANG??? OR ALTER??? OR ALTERATION? ? OR MODIF???? OR MODIFICATION)
S12	57	RD (unique items)
S13	193	S2(10N)S5(10N) (CONVERT??? OR CONVERSION? ? OR TRANSFORM??? OR TRANSLAT???? OR BRIDG??? OR CHANG??? OR ALTER??? OR ALTERATION? ? OR MODIF???? OR MODIFICATION)
S14	57	S10 OR S12

14/5/37 (Item 2 from file: 239)

DIALOG(R)File 239:Mathsci

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02656426 MR 97c#94002

Wavelet transform for time-frequency representation and filtration of discrete signals.

Popinski, W.

Appl. Math. (Warsaw)

Applicationes Mathematicae, 1996, 23, no. 4, 433--448. ISSN:
1233-7234

Language: English Summary Language: English

Document Type: Journal

Journal Announcement: 9611

Subfile: MR (Mathematical Reviews) AMS

Abstract Length: MEDIUM (11 lines)

Summary: ``We present a method for analysing and filtering real-valued discrete signals of finite duration $s(n), n = 0, 1, \dots, N-1$, where $N = 2^{\lfloor p \rfloor}$, by means of time-frequency representation. This is achieved by defining an invertible discrete **transform** representing a signal either in the time or in the time-frequency domain, which is based on decomposition of a signal with respect to a system of basic orthonormal discrete wavelet functions. Such discrete wavelet functions are defined using the Meyer generating wavelet spectrum and the classical discrete Fourier transform between the time and the frequency domains.''

Reviewer: Summary

Review Type: Abstract

Descriptors: *94A12 -Information and communication, circuits-Communication, information-Signal theory (characterization, reconstruction, etc.) ; 42C15 -Fourier analysis-Nontrigonometric Fourier analysis-Series of general orthogonal functions, generalized Fourier expansions, nonorthogonal expansions

14/5/56 (Item 21 from file: 239)

DIALOG(R)File 239:Mathsci

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01057025 MR 15,163a

Tables of coefficients for the numerical calculation of Laplace transforms.

Salzer, Herbert E.

Publ: U. S. Government Printing Office, Washington 25, D. C.

no year given., ii+36 pp.

Series: National Bureau of Standards Applied Mathematics Series, No. 30.

Language: English

Document Type: Book

Subfile: MR (Mathematical Reviews) AMS

Abstract Length: LONG (31 lines)

This pamphlet is concerned with the approximate numerical evaluation of integrals of the form $\int_0^\infty e^{-pt} f(t) dt$ as a sum of the form $\sum_{i=0}^{n-1} A_i i!^{(n)} (p) f(i)$. The formula can be made exact, by suitable choice of the A_i , if $f(i)$ is a polynomial of degree not exceeding $n-1$; otherwise its accuracy depends on the accuracy with which $f(t)$ may be approximated by such a polynomial. The tables are designed for use when $f(t)$ is replaced by a Lagrange interpolation polynomial of degree $n-1$ for $t=0, 1, \dots, n-1$. Examples of the use of the tables and of the determination of error estimates are given.

The tables themselves are as follows. Schedule A: Lagrange interpolation coefficients. This gives $L_i^{(n)}(t)$ defined by the approximate formula $f(t) \approx \sum_{i=0}^{n-1} L_i^{(n)}(t) f(i)$ as polynomials in t for $n = 2, 3, 4, 5, 6, 7$, $i = 0, 1, 2, 3, 4, 5, 6$. Schedule B: Laplace **transforms** of interpolation coefficients. This gives coefficients $B_i^{(n)}(p)$ as polynomials in p , for the same ranges of n and i , where $B_i^{(n)}(p) = \sum_{k=0}^{n-1} \frac{L_i^{(n)}(k)}{(n-k)!} p^k$ is given by $(*)$ when $f(t)$ is the Lagrange coefficient $L_i^{(n)}(t)$ for $t=0, 1, \dots, n-1$. The polynomials in the second schedule may be obtained

from those in the first by replacing $\$t\sp{r}$ by $\$r!p\sp{n-r-1}$.

Table I gives 8 decimal (or 8 figure) numerical values of $\$A\sb{i}\sp{n}$ for $n = 2, 3, \dots, 11$, $\$i=0(1)n-1$, and for $\$n=7$ $p = 0.1(0.1)n-1$ and $n=9$ $p = 0.2(0.2)n-1$ and $n=11$. Table II gives 9 figure values of $\$n!/p\sp{n+1}$ for $n=0(1)10$, $p=0.1(0.1)10$.

It is a pity to have to comment that the arrangement of the tables leaves very much to be desired.

Reviewer: Miller, J. C. P.

Review Type: Signed review

Descriptors: *65.0X -Numerical analysis

14/5/57 (Item 22 from file: 239)

DIALOG(R) File 239:Mathsci

(c) 2004 American Mathematical Society. All rts. reserv.

01034447 MR 11,585g

Simple construction of generalized Peano curve.

Iseki, Kiyosi

J. Osaka Inst. Sci. Tech. Part I.

1949, 1,, 1--2

Language: English

Document Type: Journal

Subfile: MR (Mathematical Reviews) AMS

Abstract Length: SHORT (9 lines)

Modifying a method by Lebesgue, the author gives the following example of a Peano curve $\$x\sb{n}=\phi\sb{n}(t)$ ($n = 1, 2, 3, \dots$; $0 \leq t \leq 1$) passing through all points of Hilbert space satisfying $0 \leq x\sb{n} \leq 1$: $\$ \phi\sb{n}(t)=\sum_{k=1}^{\infty} (-k)f(3\sp{2}n-1+2\sp{k-1}t)$, where $f(t)$ is defined for $t \geq 0$, continuous, and $\$ f(t)=\begin{cases} 0, & t \leq \frac{1}{3}, \\ 1, & t \leq \frac{2}{3}, \\ 2, & t \leq \frac{4}{3}, \\ 3, & t \leq \frac{5}{3}. \end{cases}$

File 275:Gale Group Computer DB(TM) 1983-2004/Aug 17
(c) 2004 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2004/Aug 17
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File 636:Gale Group Newsletter DB(TM) 1987-2004/Aug 17
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File 16:Gale Group PROMT(R) 1990-2004/Aug 17
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File 160:Gale Group PROMT(R) 1972-1989
(c) 1999 The Gale Group
File 148:Gale Group Trade & Industry DB 1976-2004/Aug 17
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(c) 2004 McGraw-Hill Co. Inc
File 15:ABI/Inform(R) 1971-2004/Aug 17
(c) 2004 ProQuest Info&Learning
File 647:cmp Computer Fulltext 1988-2004/Aug W2
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File 674:Computer News Fulltext 1989-2004/Jul W4
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File 369:New Scientist 1994-2004/Aug W2
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Set	Items	Description
S1	0	((1 OR ONE OR 1ST OR FIRST) ()HOT) (2W) (VECTOR? ? OR TAG? ? - OR FLAG? ? OR INDICATOR? ?)
S2	5853	(1 OR ONE OR 1ST OR FIRST) (2N)VECTOR? ?
S3	3643	(N(1W)1 OR N()MINUS() (1 OR ONE)) (3W) (ZERO?? OR O OR 0 OR OS OR OS)
S4	0	((2 OR TWO OR 2ND OR SECOND???) ()HOT) (2W) (VECTOR? ? OR TAG? ? OR FLAG? ? OR INDICATOR? ?)
S5	5454	(2 OR TWO OR 2ND OR SECOND???) (2N)VECTOR? ?
S6	3058	(N(1W)2 OR N()MINUS() (2 OR TWO)) (3W) (ZERO?? OR O OR 0 OR OS OR OS)
S7	21	(NBIT OR N()BIT) (2W) (STRING? ? OR BLOCK? ? OR FRAGMENT? ? - OR WORD? ? OR STATEMENT? ?)
S8	435572	TAG? ? OR TLB OR TRANSLATION() (LOOKASIDE OR LOOK()ASIDE) ()- BUFFER? ? OR CACH???
S9	1143	S2:S3(20N)S5:S6
S10	9	S9(50N)S7:S8
S11	761	S2(20N)S5
S12	384	S3(20N)S6
S13	22	S3(20N)S6(20N) (CONVERT??? OR CONVERSION? ? OR TRANSFORM??? OR TRANSLAT???? OR BRIDG??? OR CHANG??? OR ALTER??? OR ALTERA- TION? ? OR MODIF???? OR MODIFICATION)
S14	31	S10 OR S13
S15	25	RD (unique items)

15/3,K/1 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01497061 SUPPLIER NUMBER: 11744990 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Hewlett-Packard debuts low-end RISC stations. (HP 705 and 710 reduced-instruction-set computer workstations) (Product Announcement)
Stedman, Craig
Electronic News (1991), v38, n1894, p13(2)
Jan 13, 1992
DOCUMENT TYPE: Product Announcement ISSN: 1061-6624 LANGUAGE:
ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 1046 LINE COUNT: 00079

... use the same CPU. However, HP hopes the 720 will be protected by its greater **cache** and higher memory, storage and graphics capacities.
The company, which is formally unveiling the 705...

...array that increases their maximum storage capacity to 236GB. Two 24-plane graphics boards, with 1 .15 million **vectors** per **second** drawing speed, are also being introduced for the model 720 and above.

15/3,K/2 (Item 1 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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10563031 Supplier Number: 104258717 (USE FORMAT 7 FOR FULLTEXT)
Mutual Funds.
National Post, v5, n188, pIN14(6)
June 7, 2003
Language: English Record Type: Fulltext
Document Type: Newspaper; Trade
Word Count: 38821

...	Eq Value	FR -0.07	
Optimum Investments Inc(n)			
.03	22.02	19.79	Balanced Y * N 0
	13.56	13.01	Bonds Y * N 0.01
	13.17	10.31	Equity...

15/3,K/3 (Item 2 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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02915882 Supplier Number: 43937332 (USE FORMAT 7 FOR FULLTEXT)
Comparison of Stress Measurement Techniques
Glass, p268
July, 1993
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1189

... glass is 2.65 Brewster (one Brewster unit is $10(-12)m^2/N$), the **change** in index becomes:
 $n(1) - n(2) = 0.000265$, at 100MPa surface stress
This small index **change** cannot be resolved with satisfactory precision and so surface stresses in heat-strengthened materials should...

15/3,K/4 (Item 3 from file: 16)
DIALOG(R)File 16:Gale Group PROMT(R)
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02667646 Supplier Number: 43556419 (USE FORMAT 7 FOR FULLTEXT)

CRACKERS: FIGHTING BACK

Snack Food, v0, n0, p30

Jan, 1993

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 3750

... 4 -5.0

FLAKED SODA	Retail Sales	\$356,694	\$417,204	\$427,065	\$406,995	
	% Change	N/A	17.0	2.4	-4.7	
	Lb Volume	343,974	358,509	357,745	342,600	
	% Change	N/A	4.2	-0.2	-4.2	
SPRAYED BUTTER	Retail Sales	\$384,876	\$391,627	\$379,806	\$361,240	
	% Change	N/A	1.8	-3.0		
	Lb Volume	178,998	173,386	163,138	154,634	
	% Change	N/A	-3.1	-5.9	-5.2	
CHEESE	Retail Sales	\$238,300	\$244,226	266,255	\$291,267	
	% Change	N/A	2.5	9.0		
	Lb Volume	98,191	93,842	96,579	100,227	
	% Change	N/A...				

15/3,K/5 (Item 4 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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02316359 Supplier Number: 43033060 (USE FORMAT 7 FOR FULLTEXT)

European TPE use to rise at 6%

European Rubber Journal, p27

June, 1992

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 548

...	5	1	2	1	0	9	
	Footwear		47		0	0	
	Polymer modifier		11		3	3	
	Hose/tubes		0		2	2	
						2.5	1...
...5							
	Mechanical goods		1		6.5	5	
	Bitumen modifier		30		0	0	
	Construction		n		0	2.5	
						n	0
	Adhesives/coating		16		0	11	
	Film/sheet		0		0	1	
	Other		5		n	n	
						2	
	Total		117		79	20	
						31	
						8	
						5...	

15/3,K/6 (Item 5 from file: 16)

DIALOG(R)File 16:Gale Group PROMT(R)

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02060974 Supplier Number: 42663205 (USE FORMAT 7 FOR FULLTEXT)

Hewlett-Packard Debuts Low-End RISC Stations

Electronic News (1991), p13

Jan 13, 1992

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 1000

... use the same CPU. However, HP hopes the 720 will be protected by its greater **cache** and higher memory, storage and graphics capacities.

The company, which is formally unveiling the 705...array that increases their maximum storage capacity to 236GB. Two 24-plane graphics boards, with 1 .15 million **vectors** per **second** drawing speed, are also being introduced for the model 720 and above.

15/3,K/7 (Item 6 from file: 16)
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01236716 Supplier Number: 41431998 (USE FORMAT 7 FOR FULLTEXT)

Sparc server packs supercomputer punch

Electronic Engineering Times, p1

July 9, 1990

Language: English Record Type: Fulltext

Document Type: Magazine/Journal; Trade

Word Count: 820

... vector processor can sustain this peak performance in certain circumstances through the use of a 1 -Mbyte **vector cache** that is linked to the **vector** processor by **two** output and one input ports. The ports provide an aggregate bandwidth of 1.28 Gbytes...

...performing a mixed triadic operation involving an add and a multiply, and when there are **two** **vector** inputs and **one** scalar input, explained Carlton Jeffcoat, director of product marketing for distributed computing products. Entire arrays can be moved into **cache** and operated on by the vector processor, obviating the usual need to break down the...

15/3,K/8 (Item 1 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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16375671 SUPPLIER NUMBER: 106514686 (USE FORMAT 7 OR 9 FOR FULL TEXT
)

U.S. international transactions, first quarter 2003.

Weinberg, Douglas B.; Abaroa, Patricia E.

Survey of Current Business, 83, 7, 49(65)

July, 2003

ISSN: 0039-6222 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 77595 LINE COUNT: 27987

... 2.4 -5.3
Nonpetroleum products 0.5 -4.3 3.9 2.1

Percent **change** from
previous period
(chained (1996) dollars)

2003

II III IV I (p)

Exports 3.1...

...6 Agricultural products -2.6 -4.8 -0.4 2.8
Nonagricultural products 3.6 1 .3 -2.4 0 .4

Imports 5.1 1.0 1.6 -0.8
Petroleum and products 7.9...

15/3,K/9 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

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15636164 SUPPLIER NUMBER: 99130107 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Toronto stock exchange. (Investing).
National Post, 5, 99, IN5(4)
Feb 22, 2003
ISSN: 1493-4779 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 36097 LINE COUNT: 16430

... TSX C TCF
26.84 18.88 TD TSX TTF
9.65 5.50 TDCdnGrwth TAG
29.74 10.76 TDSpitCap TDS
15.59 14.80 TDSpit pf
(down arrow) 1...TELUS Gpf
20.65 5.76 TELUS
19.20 5.56 TELUS nv **
(up arrow) n 1 .30 0 .70 TGS Ppty
TSL 5.98 1.28 TLC Vision
TLC 7.50 4.75...

15/3,K/10 (Item 3 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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14721705 SUPPLIER NUMBER: 87914940 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Toronto Stock Exchange 06.07.02. (Investing).
National Post, 4, 190, IN11(2)
June 8, 2002
ISSN: 1493-4779 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 19759 LINE COUNT: 12879

... 70 eNGENTY - -
11.20 7.30 Enghouse # - 16.4
18.40 10.25 EnsignRes # 1. 2 14
.2 7.50 3.00 EnSource - 33.7
4.17 0.50 EnvoyCom # - -
1.44...

15/3,K/11 (Item 4 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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14537872 SUPPLIER NUMBER: 85250418 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Mutual Funds 04.12.02. (Investing).
National Post, 4, 142, IN5(6)
April 13, 2002
ISSN: 1493-4779 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 41237 LINE COUNT: 13561

... Income (*) N
5.26 3.38 Japanese N
9.73 7.26 RSP Gbl Divers (*)
N
7.88 5.03 RSP Japanese (*) N
10.41 10.21 ST Cdn Inc (*) N
12.01 10.96 ST Gbl Inc (*)
N
5.76 5.33 ST Govt Bond (*) N

46.01	31.73	Select Amer	N	
	22.45	16.03	Special Growth	(*)
N				
	23.66	15.70	US Larger Co	
N				

Altamira Sector

9.80	7.03	Biotechnology	N
	13.75	10.16	Glob Finl Serv...

15/3,K/12 (Item 5 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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13907301 SUPPLIER NUMBER: 78864239 (USE FORMAT 7 OR 9 FOR FULL TEXT)
National Income and Product Accounts Tables. (Statistical Data Included)
Survey of Current Business, 81, 8, 34
August, 2001
DOCUMENT TYPE: Statistical Data Included ISSN: 0039-6222
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 41884 LINE COUNT: 18607

...	2	681.3	713.1			
		tax and nontax				
		liability				
		Business transfer	14	36.8	38. 0	41.3
		payments				
		Statistical	15	29.7	-31. 0	-72.7
		discrepancy				
		Plus: Subsidies less	16	19.1	23.5	33.3
		current surplus...				

15/3,K/13 (Item 6 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

13800192 SUPPLIER NUMBER: 77830936 (USE FORMAT 7 OR 9 FOR FULL TEXT)
THE CYCLICALITY OF REAL WAGES WITHIN EMPLOYER-EMPLOYEE MATCHES. (Statistical Data Included)
DEVEREUX, PAUL J.
Industrial and Labor Relations Review, 54, 4, 835
July, 2001
DOCUMENT TYPE: Statistical Data Included ISSN: 0019-7939
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 8899 LINE COUNT: 00871

... Wage and Earnings
Cyclicality of Workers Who were
Not Salaried or Hourly and Did
Not Change Employer, 1976-77 to
1990-91. a
(Standard Errors in Parentheses)

	Mean Regression	Earnings
	Hourly	Divided by
	Wage	Hours
Sample (Sample Size)	N /A	- 2 .17 **
All Job Stayers (1,539)	N /A	(0 .97)
Stayers with No Extra Jobs (1,244)	N /A	- 1 .12
		(0 .96)
	Median Regression	
	Hourly	
	Wage	
Sample (Sample Size)	Earnings	

15/3,K/14 (Item 7 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
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13393251 SUPPLIER NUMBER: 68876761 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Crises, Contagion, and the Closed-End Country Fund Puzzle.

LEVY-YEYATI, EDUARDO; UBIDE, ANGEL

International Monetary Fund Staff Papers, 47, 1, 54

March, 2000

ISSN: 0020-8027 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 10821 LINE COUNT: 00882

... in equations (6) and (7), one can readily see that

$dDIS/dSTR = (p'.sub.1) - (n'.sub.1)$ (less than) 0 ,

$dDIS/dMSCI = (p'.sub.2) - (n'.sub.2)$ (greater than) 0 .

(33.) Note that, although it was reasonable to expect Asian II countries to suffer spillovers on fundamentals (e.g., a deterioration of the current account), the se fundamental **changes** should have had he same effect on fund prices and NAV, with no impact on...

15/3,K/15 (Item 8 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

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11900382 SUPPLIER NUMBER: 60903572 (USE FORMAT 7 OR 9 FOR FULL TEXT)

Genetic Susceptibility and Survival: Application to Breast Cancer.

JR., EDWIN S. IVERSEN; PARMIGIANI, GIOVANNI; BERRY, DONALD A.; SCHILDKRAUT, JOELLEN M.

Journal of the American Statistical Association, 95, 449, 28

March, 2000

ISSN: 0162-1459 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 11898 LINE COUNT: 01006

... BRCAl-radiation treatment interaction term, and the BRCA2-radiation treatment interaction term. For these parameters, $N(0, 1)$, $N(0, (2.sup.2))$, $N(0, (5.sup.2))$, and $N(0, (10.sup.2))$ densities are specified.

The effect on the distribution of the BRCA2 coefficient of **changing** the prior is to shorten its left tail, leaving its right tail virtually unchanged. In...

15/3,K/16 (Item 9 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB

(c)2004 The Gale Group. All rts. reserv.

10167173 SUPPLIER NUMBER: 20234328 (USE FORMAT 7 OR 9 FOR FULL TEXT)

A microwave radial power combiner design.

Rheem, Jae-Wook; Kang, Won-Tae; Lee, Sang-Ho; Kim, Duk-Yong; Chang, Ik-Soo
Microwave Journal, v40, n11, p22(7)

Nov, 1997

ISSN: 0192-6225 LANGUAGE: English RECORD TYPE: Fulltext

WORD COUNT: 2146 LINE COUNT: 00182

... 4, ($R.sub.0$) = 50 (ohms). However, considering that the four-way structure can be **changed** to a three-way structure in this design, the characteristic impedance of the $(\Lambda)/4$...

...to be 93 (ohms) using

$(Z.sub.0) = ((\text{square root of } n) + (\text{square root of } n - 1)) / 2$
 $(R.sub.0)$ (21)

where

$n=4$

$(R.sub.0) = 50$ (ohms)

The four-way radial power combiner...

15/3,K/17 (Item 10 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2004 The Gale Group. All rts. reserv.

09656767 SUPPLIER NUMBER: 19321007 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Another look at the salamander mating data: a modified Laplace approximation approach.

Shun, Zhenming
Journal of the American Statistical Association, v92, n437, p341(9)
March, 1997
ISSN: 0162-1459 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 5261 LINE COUNT: 00513

... This implies that the correction term for the approximation should have an exponentiated form. A **modified** approximation derived by Shun and McCullagh (1994) is the standard Laplace approximation multiplied by an...

... $\text{sub.a}, ((\Sigma).\text{sub.b})$ (varies) $((\det(H.\text{sub.}0)).\text{sup.}-1/2)(e.\text{sup.}-(\text{n}.\text{sup.}2)(\Phi((x.\text{sub.}0))) \times \exp\{R.\text{sub.}n + O(1/n)\}$, (7)
where $(R.\text{sub.}n)$ is $(R.\text{sub.}(\Lambda))$ in (2). The relative error...

... $O(1/n)$, the square root of the sample size. The following example illustrates the **modified** approximation.

Example 1. As previously noted, (Φ) depends on the average of the conditional log...

15/3,K/18 (Item 11 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07620128 SUPPLIER NUMBER: 16502929 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Framework for the analysis of pension and unemployment benefit reform in Poland.
Perraudin, William; Pujol, Thierry
International Monetary Fund Staff Papers, v41, n4, p643(32)
Dec, 1994
ISSN: 0020-8027 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 9820 LINE COUNT: 00810

... year retirement period.

Table 6. A Measure of the Distortionary Impact of Pensions

r - v - n	- 2 %	- 1 %	0 %	1 %	2 %
g	1.67	1.30	1.00	0.76	0.43

In what...

...condition holds. In Section II, we argued that the Polish labor force is unlikely to **change** dramatically. Hence, whether or not the neutrality condition holds depends on the relative magnitude of...

15/3,K/19 (Item 12 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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07269693 SUPPLIER NUMBER: 15252727 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Beyond vectorizing compilers: the Standard Math Library.
Mirkin, Leo; LeBlanc, Michael; Inamdar, Rajendra
Defense Electronics, v26, n5, p25(4)
May, 1994
ISSN: 0278-3479 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2229 LINE COUNT: 00199

... another set of standard vector and matrix operations called the

Basic Linear Algebra Subprograms (BLAS) [1 , 2]. These **vector** and matrix functions assume operands in memory and that results are returned to memory. The calls make no explicit reference to architecture dependent features such as **cache** or strip mining. Each vector operand is specified by its starting address and the distance...

15/3,K/20 (Item 13 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB
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06508526 SUPPLIER NUMBER: 14377757 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Daily exchange rate variance.
Harvey, John T.
Journal of Post Keynesian Economics, v15, n4, p515(26)
Summer, 1993
ISSN: 0160-3477 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 8537 LINE COUNT: 00671

... and this is not inconsistent with this model.
Table 8

Impact of a one-unit **change** in the independent variables on the probability of each bias

Dep var	ANEWMP	ANEWBOCA	ANEWIND	ANEWOTH
E.sup.e .sub.t+n = 2 0 .40 (Deutsche Mark bias)	0 .31	0.80	0.50	
E.sup.e .sub.t+n = 1 0 .33 (no bias)	0 .25	0.65	0.40	
E.sup.e .sub.t+n = 0 -0...				

15/3,K/21 (Item 1 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

0226151
CONOCO CHANGES LUBE PRICES
Platts Oilgram Price Report June 12, 1990; Pg 6-A; Vol. 68, No. 113
Journal Code: POP ISSN: 0162-1292
Dateline: Houston 6/11
Word Count: 51 *Full text available in Formats 5, 7 and 9*

TEXT:
Eff today Conoco has **changed** the following lube base oil prices: Cts/gal
90 S.N. and 100 S.N. unchanged, 150 S.N up 2.0, 200-250 S. N. up 2.0
, 300-325 S.N. up 2.00, 350 S. N. up 2.0, 500 S. N., up 1.0, 600
S. N. up 1.0, 650 S. N. up 1.0. and bright stock up 2.0.

15/3,K/22 (Item 2 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

0156000
CITGO REVISES LUBE OIL BASE PRICES
Platts Oilgram Price Report August 18, 1989; Pg 3-A; Vol. 67, No. 159
Journal Code: POP ISSN: 0162-1292

Dateline: Houston 8/17
Word Count: 83 *Full text available in Formats 5, 7 and 9*

TEXT:

... some of its posted prices for lube oil base stocks, but left others unchanged. The **changes** are: 90 and 100 Solvent Neutrals- both unchanged at 92.0 cts gal; 150 S. N . - down 1 . 0 ct to 91.0 cts gal; 200 S. N . - down 2 . 0 cts to 88.0 cts gal; 350 S.N. - down 3.0 cts gal to...

15/3,K/23 (Item 3 from file: 624)
DIALOG(R)File 624:McGraw-Hill Publications
(c) 2004 McGraw-Hill Co. Inc. All rts. reserv.

0155918

EXXON REDUCES LUBE BASE STOCKS

Platts Oilgram Price Report August 14, 1989; Pg 6-A; Vol. 67, No. 155
Journal Code: POP ISSN: 0162-1292
Dateline: Houston 8/11
Word Count: 65 *Full text available in Formats 5, 7 and 9*

TEXT:

... follows: Naphthenics - all (visc.) grades down 3.0 cts gal; Paraffinics - 100 S.N. - no **change** ; 150 S. N . - down 1 . 0 ct gal; 200/250 S. N . - down 2 . 0 cts; 300/350 S.N. - down 3.0 cts; 500 and 600 S.N. - no **changes** ; Bright stock - down 3.0 cts.

15/3,K/24 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)
(c) 2004 ProQuest Info&Learning. All rts. reserv.

02271936 86926326

Probabilistic analysis of a maintainable system with human error
B.S. Dhillon; Nianfu Yang
Journal of Quality in Maintenance Engineering v01n2 PP: 50-59 1995
ISSN: 1355-2511 JRNL CODE: QMGR
WORD COUNT: 2370

...TEXT: state j and has an elapsed repair time of x; for j = m + n, m + n + 1 , m + n + 0 2

N_j(s) Laplace transform of N_j(x).

Caption: Figure 1; . The state transition diagram of a general...

15/3,K/25 (Item 1 from file: 647)
DIALOG(R)File 647:cmp Computer Fulltext
(c) 2004 CMP Media, LLC. All rts. reserv.

00516427 CMP ACCESSION NUMBER: OST19920622S0579
Cray Intros First SPARC Product: 'Superserver' Bridges SPARCs And Supercomputing Systems On Same Network
PAUL KRILL
OPEN SYSTEMS TODAY, 1992, n 100, 34
PUBLICATION DATE: 920622
JOURNAL CODE: OST LANGUAGE: English
RECORD TYPE: Fulltext
SECTION HEADING: Servers & Desktops
WORD COUNT: 336

... Systems (FPS) server with reliability enhancements such as automatic parallelization detection in compilers and improved **caching** . Cray has purchased FPS.

Cray said the S-MP will be used for what Cray...

...storage management and distributed graphics.

The S-MP has eight slots total for scalar and **vector** processors and
two slots for parallel processors. Scalar processors take up **one** slot
while **vector** processors take **two**.

Pricing starts at \$500,000 for a unit one, 67-MIPS, Bipolar
Integrated Technology scalar...